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Inland Transport Committee

Working Party on the Transport of Dangerous Goods

Joint Meeting of the RID Committee of Experts and the Working Party on the Transport of Dangerous Goods

Bern, 18–22 March 2019

Item 2 of the provisional agenda

Tanks

Application of 6.7.1.3: Carriage of a product classified under UN No. 3160 in T50 portable tanks

Transmitted by the Government of Belgium*, **

Summary

Executive summary:	Request for an opinion from Belgium following a request for interim approval for the carriage of a substance under UN No. 3160 in T50 portable tanks.
Action to be taken:	-
Related documents:	-

1. As a country of origin for carriage, Belgium received a request for interim approval (see 6.7.1.3) for carriage by rail and by road of trifluorochloroethylene classified under UN No. 3160 LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S. in T50 portable tanks, while this is not permitted in RID/ADR.
2. The carriage of this product is permitted for maritime transport by interim approval under 6.7.1.3 of the IMDG Code, issued by the United States Department of Transportation (DOT-SP 14193, see <https://www.phmsa.dot.gov/approvals-and-allows/hazmat/special-allows-list>).
3. In addition to the requirements applicable to T50 portable tanks, such approval requires:

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/WP.15/237, annex V (9.2)).

** Circulated by the Intergovernmental Organisation for International Carriage by Rail (OTIF) under the symbol OTIF/RID/RC/2019/3.



- A minimum test pressure of 1.5 times the calculation pressure (while 6.7.3.3.2 only requires a minimum test pressure of 1.3 times the calculation pressure)
 - Insulation
4. RID/ADR permits the carriage of goods under UN No. 3160 in PxBH tanks (for x, see 4.3.3.2.3) provided that $LC_{50} \geq 200$ ppm, which is the case for trifluorochloroethylene ($LC_{50} = 1000$ ppm).
 5. Further to this request, Belgium would like to receive the views of the Working Group on Tanks on the following issues:
 - Question 1: What does “interim approval” in 6.7.3.1 mean? Is it to cover the period required to adjust the regulations?
 - Question 2: Is there a technical reason why some substances are permitted in PxBH tanks and not in T50 portable tanks (see list in annex)?
 - Question 3: Is it possible to introduce code T50 in column (10) of Table A for UN No. 3160 with the same restriction as for land tanks, i.e. if $LC_{50} \geq 200$ ppm?
 - Question 4: With regard to collective entries, are there any other restrictions to be provided for (besides $LC_{50} \geq 200$ ppm) to permit the carriage of toxic and flammable liquefied gases under UN No. 3160 in T50 portable tanks?
 6. On the basis of the replies received, Belgium will decide whether to respond favourably to the request and, where appropriate, will introduce a proposal to amend the regulations to the Sub-Committee.

Annex

2TF gases permitted in RID/ADR tanks but not in portable tanks

<i>UN No.</i>	<i>Name and description</i>	<i>Class</i>	<i>Classification code</i>	<i>Labels</i>	<i>Portable tanks and bulk containers</i>	<i>Special provisions</i>	<i>Tank code</i>	<i>Special provisions ADR</i>	<i>Special provisions RID</i>	<i>Hazard identification No.</i>
(1)	(3)	(3a)	(3b)	(5)	(10)	(11)	(12)	(13)	(13)	(20)
1026	CYANOGEN	2	2TF	2.3+2.1 (+13)	(M)	PxBH(M)		TA4 TT9	TU38 TE22 TE25 TA4 TT9 TM6	263
1053	HYDROGEN SULPHIDE	2	2TF	2.3+2.1 (+13)	(M)	PxDH(M)		TA4 TT9 TT10	TU38 TE22 TE25 TA4 TT9 TT10 TM6	263
2189	DICHLOROSILANE	2	2TFC	2.3+2.1 +8 (+13)	(M)	PxBH(M)		TA4 TT9	TU38 TE22 TE25 TA4 TT9 TM6	263
2204	CARBONYL SULPHIDE	2	2TF	2.3+2.1 (+13)	(M)	PxBH(M)		TA4 TT9	TU38 TE22 TA4 TT9 TM6	263
3160	LIQUEFIED GAS, TOXIC, FLAMMABLE, N.O.S.	2	2TF	2.3+2.1 (+13)	(M)	PxBH(M)		TU6 TA4 TT9	TU6 TU38 TE22 TE25 TA4 TT9 TM6	263
3300	ETHYLENE OXIDE AND CARBON DIOXIDE MIXTURE with more than 87% ethylene oxide	2	2TF	2.3+2.1 (+13)	(M)	PxBH(M)		TA4 TT9	TU38 TE22 TE25 TA4 TT9 TM6	263
3355	INSECTICIDE GAS, TOXIC, FLAMMABLE, N.O.S.	2	2TF	2.3+2.1 (+13)	(M)	PxBH(M)		TU6 TA4 TT9	TU6 TU38 TE22 TE25 TA4 TT9 TM6	263